



DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS () Original () Supplemental () Substitute () PCT

| () Or | iginal () Supplemental | () Substitute () I | CI |
|---|--|---|--|
| As a below named invent stated below next to my name name is listed below) or an or matter which is claimed and for | iginal, first and joint inventor | am the original, first and sold (if plural inventors are name | le inventor (if only one |
| Title: Human parvovirus | B19 proteins and virus | -like particles, their | production, and |
| their use in diag | nostic assays and vacc | ines. | |
| which is described and claim () the attached specificatio () the specification in the | on, or application Serial No | filed | |
| and with amendments t (x) the specification in Inte | | (if applicable |), , filed |
| | 0, and as amended on March | | (if applicable). |
| I hereby state that I have rev the claims, as amended by any | | | specification, including |
| I acknowledge my duty to d this application in accordance | | | al to the examination of |
| I hereby claim foreign priority patent or inventor's certificate inventor's certificate having a | listed below and have also | identified below any foreign a | application for patent or |
| COUNTRY | APPLICATION NO. | DATE OF FILING | PRIORITY CLAIMED |
| the Netherlands | 8902301 | September 14, 1989 | (X) YES () NO |
| | | | () YES () NO |
| | | | () YES () NO |
| - | | · · · · · · · · · · · · · · · · · · · | () YES () NO |
| | | | () YES () NO |
| | | | () YES () NO |
| I hereby claim the benefit und below and, insofar as the sub United States application in the I acknowledge the duty to di §1.56(a) which occurred between filing date of this application | oject matter of each of the cone manner provided by the fisclose material information aveen the filing date of the p | laims of this application is no rst paragraph of Title 35, Un s defined in Title 37, Code | ot disclosed in the prior nited States Code, §112, of Federal Regulations, |
| SERIAL NO. | U.S. FILING DATE | STA | TUS |
| | | () Patented () Pe | ending () Abandoned |
| | | () Patented () Pe | ending () Abandoned |
| | | () Patented () Pe | ending () Abandoned |
| I hereby appoint: Thoma Kavrukov(25,161) | as F. Moran(16,579), C | hristopherCDunham(2 | 22,031)-, -Ivan S. |
| of <u>30 Rockefeller Plaza</u> | , New York, New York l | 0112 (Tel. 212-977-955 | 00) my attorneys, |

of 30 Rockefeller Plaza, New York, New York 10112 (Tel. 212-977-9550) my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

41947 E9121-3

WHIREAS Brown, Caroline Sarah of Frans van Mierisstraat 85 huis, 1071 RM Amsterdam, the Netherlands

and each one of them, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: Human parvovirus B19 proteins and virus-like particles, their production, and their use in diagnostic assays and vaccines described and claimed in international application no. PCT/NL90/00130 filed September 11, 1990; and

WHEREAS, Rijksuniversiteit te Leiden a State University organized and existing under and by virtue of the laws of the Netherlands , and engaged in business at Stationsweg 46, 2312 AV Leiden, the Netherlands hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, his or her entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention, and in and to any and all Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this assignment has been executed on the day and month indicated below.

| Date | RECORDED | Signature |
|----------------|-----------------------------|-----------|
| April 15, 1992 | PATENT AND TRADEMARK OFFICE | C.S. Burn |
| | MAY -4 1992 | • |
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